



INTERNATIONAL
ACCREDITATION
CENTER

CERTIFICATE OF ACCREDITATION

The International Accreditation Centre

Hereby attests that

US SERVTECH

Precision Measuring & Calibration Laboratories (PMCL)

Building No. 3904, Street Name: 14A, District Name: Al Dana

Zip Code: 35514, City: Al Jubail, Kingdom of Saudi Arabia

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.

The current scope of accreditation can be verified at www.iacusa.org.

R. Douglas Leonard Jr.,
VP, PILR SBU
Expiry Date: 31 October 2025
Certificate Number: CB-1257



A laboratory's compliance with ISO/IEC 17025:2017 ensures it meets both technical competency and management system requirements, enabling consistent and reliable calibration results (refer to joint ISO-IAF Communiqué, September 2017).



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SCOPE OF ACCREDITATION TO ISO/IEC 17024:2012

US SERVTECH

Building No. 3904, Street Name: 14A, District Name: Al Dana

Zip Code: 35514, City: Al Jubail, Kingdom of Saudi Arabia

Mr Muhammad Faran Aabdi

Technical Manager

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CALIBRATION

Precision Measuring & Calibration Laboratories (PMCL)

Valid to October 31, 2025,

Certificate Number: CB-1257

MEASURED QUANTITY OR DEVICETYPE CALIBRATED	RANGE	UNCERTAINTY ^{1,2,3} (±)	CALIBRATION METHOD ORPROCEDURE, STANDARD EQUIPMENT (OPTIONAL)
Dimensional			
Calipers	Up to 6 in 6 in to 12 in	590 µin 800 µin	Procedure WI-L-AMER-Cali-7962
Indicator	Up to 1 in 1 in to 2 in 2 in to 5 in	84 µin 580 µin 1200 µin	Procedure WI-L-AMER-Cali-7836
Micrometer	Up to 1 in 1 in to 3 in 3 in to 4 in	68 µin 160 µin 240 µin	Procedure WI-L-AMER-Cali-7962
Thickness Gage	Up to 0.5 in 0.5 in to 1 in	600 µin 650 µin	Procedure WI-L-AMER-Cali-7962
Rules and Tapes	Up to 42 in 42 in to 72 in	0.019 in 0.079 in	Procedure WI-L-AMER-Cali-7969
Linear transducers	Up to 20 in (4 mA to 20 mA output) 20 in to 40 in	0.011 in (0.0090 mA) 0.039 in (0.016 mA)	Procedure WI-L-AMER-Cali-7837



	(4 mA to 20 mA output)		
Mechanical			
Scales	1 mg to 200 g 200 g to 510 g 510 g to 6000 g 0 lb. to 110 lb. 110 lb to 150 lb 150 lb to 500 lb	0.12 g 0.12 g 0.14 g 1 lb 1 lb 0.2 lb	Procedures ATI-CAL-22 ATI-CAL-28
Force gages (Tension and Compression)	Up to 20 lbf 20 lbf to 50 lbf 50 lbf to 200 lbf	0.30 lbf 0.012 lbf 0.55 lbf	Procedure ATI-CAL-02
Force (Load Cells) – Tension and Compression	20 lbf to 1000 lbf 1000 lbf to 25000 lbf 25000 lbf to 50000 lbf	0.03 lbf 4.7 lbf 21 lbf	WI-L-AMER-Cali-7838
Pressure Gages	-13 psi to 0 psi 0 psi to 15 psi 15 psi to 30 psi 30 psi to 300 psi 300 psi to 3000 psi	0.65 psi 0.039 psi 0.31 psi 0.10 psi 0.33 psi	Procedure WI-L-AMER-Cali-7839
Pressure Loop Calibrators, Transducers, Transmitters	-5 psi to 5 psi	0.00021 psi	Procedures ATI-CAL-12
Thermal			
Simulated Temperature - Thermocouples Type K	-200 °C to -100 °C -100 °C to -25 °C -25 °C to 120 °C 120 °C to 1000 °C 1000 °C to 1372 °C	0.33 °C 0.18 °C 0.16 °C 0.26 °C 0.40 °C	Procedures WI-L-AMER-Cali-7970 ATI-CAL-51 ATI-CAL-63
Type T	0 °C to 250 °C 250 °C to 400 °C 400 °C to 1000 °C	0.57 °C 0.35 °C 0.33 °C	



	1000 °C to 1767 °C	0.40 °C	
Thermocouple Probes, all types	-30 °C to 950 °C	0.56 °C	Fluke Calibration Method ITS-90
Temperature and Humidity Sensors, Probes, Loggers, Meter	1 °C to 5 °C	0.20 °C	Procedure WI-L-AMER-Cali-7840
	5 °C to 60 °C	0.24 °C	
	60 °C to 68.5 °C	0.19 °C	
	10 %RH to 15 %RH	1.4 %RH	
	15 %RH to 95 %RH	1.3 %RH	
Electrical – DC/LF			
DC Voltage - Generate ³	0 mV to 329.9999 mV	20 μV/V + 1 μV	Procedures
	0 V to 3.299999 V	μV/V + 2 μV	WI-L-AMERI-Cali-7835
	0 V to 32.99999 V	μV/V + 20 μV	ATI-CAL-53
	30 V to 329.9999 V	18 μV/V + 0.15 mV	ATI-CAL-54
	100 V to 1000.000 V	18 μV/V + 1.5 mV	ATI-CAL-61
			ATI-CAL-6631-23,31-24



AC Voltage - Generate ³	1.0 mV to 32.999 mV (10 Hz to 45 Hz) (45 Hz to 10 kHz) (10 kHz to 20 kHz) (20 kHz to 50 kHz) (50 kHz to 100 kHz)	800 $\mu\text{V/V} + 6 \mu\text{V}$ 150 $\mu\text{V/V} + 6 \mu\text{V}$ 200 $\mu\text{V/V} + 6 \mu\text{V}$ 0.1 % + 6 μV 0.35 % + 12 μV	Procedures WI-L-AMERI-Cali-7835ATI-CAL-53 ATI-CAL-54 ATI-CAL-61 ATI-CAL-66 31-23, 31-24
	33 mV to 329.999 mV (10 Hz to 45 Hz) (45 Hz to 10 kHz) (10 kHz to 20 kHz) (20 kHz to 50 kHz) (50 kHz to 100 kHz)	300 $\mu\text{V/V} + 8 \mu\text{V}$ 145 $\mu\text{V/V} + 8 \mu\text{V}$ 160 $\mu\text{V/V} + 8 \mu\text{V}$ 350 $\mu\text{V/V} + 8 \mu\text{V}$ 800 $\mu\text{V/V} + 32 \mu\text{V}$	
	0.33 V to 3.29999 V (10 Hz to 45 Hz) (45 Hz to 10 kHz) (10 kHz to 20 kHz) (20 kHz to 50 kHz) (50 kHz to 100 kHz)	300 $\mu\text{V/V} + 50 \mu\text{V}$ 150 $\mu\text{V/V} + 60 \mu\text{V}$ 190 $\mu\text{V/V} + 60 \mu\text{V}$ 300 $\mu\text{V/V} + 50 \mu\text{V}$ 700 $\mu\text{V/V} + 0.13 \text{ mV}$	
	3.3 V to 32.9999 V (10 Hz to 45 Hz) (45 Hz to 10 kHz) (10 kHz to 20 kHz) (20 kHz to 50 kHz) (50 kHz to 100 kHz)	300 $\mu\text{V/V} + 0.65 \text{ mV}$ 150 $\mu\text{V/V} + 0.60 \text{ mV}$ 240 $\mu\text{V/V} + 0.60 \text{ mV}$ 350 $\mu\text{V/V} + 0.60 \text{ mV}$ 900 $\mu\text{V/V} + 1.6 \text{ mV}$	
	33 V to 329.999 V (10 Hz to 45 Hz) (45 Hz to 10 kHz) (10 kHz to 20 kHz) (20 kHz to 50 kHz) (50 kHz to 100 kHz)	190 $\mu\text{V/V} + 2 \text{ mV}$ 200 $\mu\text{V/V} + 6 \text{ mV}$ 250 $\mu\text{V/V} + 6 \text{ mV}$ 300 $\mu\text{V/V} + 6 \text{ mV}$ 0.2 % + 50 mV	



AC Voltage - Generate ³	330 V to 1020 V (45 Hz to 1 kHz) (1 kHz to 5 kHz) (5 kHz to 10 kHz)	300 $\mu\text{V/V} + 10 \text{ mV}$ 250 $\mu\text{V/V} + 10 \text{ mV}$ 300 $\mu\text{V/V} + 10 \text{ mV}$	Procedures WI-L-AMERI-Cali-7835 ATI-CAL-53 ATI-CAL-54 ATI-CAL-61 ATI-CAL-66 31-23 31-24
DC Current - Generate ³	0 μA to 329.999 μA 0.33 mA to 3.29999 mA 3.3 mA to 32.9999 mA 33 mA to 329.999 mA 330 mA to 1.09999 A 1.1 A to 2.99999 A 3 A to 10.9999 A 11 A to 20.5 A	150 $\mu\text{A/A} + 0.02 \mu\text{V}$ 100 $\mu\text{A/A} + 0.05 \mu\text{V}$ 100 $\mu\text{A/A} + 0.25 \mu\text{V}$ 100 $\mu\text{A/A} + 2.5 \mu\text{V}$ 200 $\mu\text{A/A} + 40 \mu\text{V}$ 380 $\mu\text{A/A} + 40 \mu\text{V}$ 500 $\mu\text{A/A} + 500 \mu\text{V}$ 0.1 % + 750 μV	Procedures WI-L-AMERI-Cali-7835 ATI-CAL-53 ATI-CAL-54 ATI-CAL-61 ATI-CAL-66 31-23, 31-24
AC Current - Generate ³	29.00 μA to 329.99 μA (10 Hz to 20 Hz) (20 Hz to 45 Hz) (45 Hz to 1 kHz) (1 kHz to 5 kHz) (5 kHz to 10 kHz) (10 kHz to 30 kHz) 0.33 μA to 3.2999 μA (10 Hz to 20 Hz) (20 Hz to 45 Hz) (45 Hz to 1 kHz) (1 kHz to 5 kHz) (5 kHz to 10 kHz) (10 kHz to 30 kHz) 3.3 μA to 32.999 μA (10 Hz to 20 Hz) (20 Hz to 45 Hz) (45 Hz to 1 kHz) (1 kHz to 5 kHz)	0.2 % + 0.1 μA 0.15 % + 0.1 μA 0.125 % + 0.1 μA 0.3 % + 0.15 μA 0.8 % + 0.2 μA 1.6 % + 0.4 μA 0.2 % + 0.15 μA 0.125 % + 0.15 μA 0.1 % + 0.15 μA 0.2 % + 0.2 μA 0.5 % + 0.3 μA 1.0 % + 0.6 μA 0.18 % + 2 μA 0.09 % + 2 μA 0.04 % + 2 μA 0.08 % + 2 μA	Procedures WI-L-AMERI-Cali-7835 ATI-CAL-53 ATI-CAL-54 ATI-CAL-61 ATI-CAL-66 31-23, 31-24



	(5 kHz to 10 kHz) (10 kHz to 30 kHz) 33 μ A to 329.99 μ A (10 Hz to 20 Hz) (20 Hz to 45 Hz) (45 Hz to 1 kHz) (1 kHz to 5 kHz) (5 kHz to 10 kHz) (10 kHz to 30 kHz)	0.2 % + 3 μ A 0.4 % + 4 μ A 0.18 % + 20 μ A 0.09 % + 20 μ A 0.04 % + 20 μ A 0.10 % + 50 μ A 0.2 % + 100 μ A 0.4 % + 200 μ A	
AC Current – Generate ³	0.33 A to 1.09999 A (10 Hz to 45 Hz) (45 Hz to 1 kHz) (1 kHz to 5 kHz) (5 kHz to 10 kHz) 1.1 A to 2.99999 A (10 Hz to 45 Hz) (45 Hz to 1 kHz) (1 kHz to 5 kHz) (5 kHz to 10 kHz) 3 A to 10.9999 A (10 Hz to 45 Hz) (45 Hz to 1 kHz) (1 kHz to 5 kHz) 11 A to 20.5 A (10 Hz to 45 Hz) (45 Hz to 1 kHz) (1 kHz to 5 kHz)	0.18 % + 100 μ A 0.05 % + 100 μ A 0.6 % + 1 mA 2.5 % + 5 mA 0.18 % + 100 μ A 0.06 % + 100 μ A 0.6 % + 1 mA 2.5 % + 5 mA 0.06 % + 2 mA 0.10 % + 2 mA 3.0 % + 2 mA 0.12 % + 5 mA 0.15 % + 5 mA 3.0 % + 5 mA	Procedures WI-L-AMERI-Cali-7835 ATI-CAL-53 ATI-CAL-54 ATI-CAL-61 ATI-CAL-66 31-23 31-24



DC Resistance - Generate ³	0 Ω to 11 Ω	40 μΩ/Ω + 1 mΩ	Procedures
	11 Ω to 33 Ω	30 μΩ/Ω + 1.5 mΩ	WI-L-AMERI-Cali-7835
	33 Ω to 110 Ω	28 μΩ/Ω + 1.4 mΩ	ATI-CAL-53
	110 Ω to 330 Ω	28 μΩ/Ω + 2 mΩ	ATI-CAL-54
	330 Ω to 1100 Ω	28 μΩ/Ω + 2 mΩ	ATI-CAL-61
	1.1 kΩ to 3.3 kΩ	28 μΩ/Ω + 20 mΩ	ATI-CAL-66 31-23, 31-24
	3.3 kΩ to 11 kΩ 11 kΩ to 33 kΩ	28 μΩ/Ω + 20 mΩ	
	33 kΩ to 110 kΩ 110 kΩ to 330 kΩ	28 μΩ/Ω + 0.2 Ω	
	330 kΩ to 1100 kΩ	28 μΩ/Ω + -0.2 Ω	
	1.1 MΩ to 3.3 MΩ	32 μΩ/Ω + 2 Ω	
	3.3 MΩ to 11 MΩ 11 MΩ to 33 MΩ	32 μΩ/Ω + 2 Ω	
	33 MΩ to 110 MΩ 110 MΩ to 330 MΩ	60 μΩ/Ω + 30 Ω	
	330 MΩ to 1100 MΩ	130 μΩ/Ω + 50 Ω	
		250 μΩ/Ω + 2.5 kΩ	
		500 μΩ/Ω + 3 kΩ	
		3 mΩ/Ω + 100 kΩ	
		15 mΩ/Ω + 500 kΩ	
Time and Frequency			
Stopwatches and Timers	1.0 s to 30s 30s to 1200s 1200s to 1800s	0.12s	Procedure WI-L-AMER-Cali-7868
		0.14s	
		0.54s	
Flow			
Ultrasonic Flow Meter Clam on Velocity	1.0 s to 30s 30s to 1200s 1200s to 1800s	0.39%	Procedure ATI-Cal-72

¹The uncertainty covered by the Calibration and Measurement Capability (CMC) is expressed as the expanded uncertainty having a coverage probability of approximately 95 %. It is the smallest measurement uncertainty that a laboratory can achieve within its scope of accreditation when performing calibrations of a best existing device. The measurement uncertainty reported on a calibration certificate may be greater than that provided in the CMC due to the behavior of the calibration item and other factors that may contribute to the uncertainty of a specific calibration.

²When uncertainty is stated in relative terms (such as percent, a multiplier expressed as a decimal fraction or in scientific notation), it is in relation to instrument reading or instrument output, as appropriate, unless otherwise indicated.

³Capability is suitable for the calibration of measuring devices in the stated ranges.

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. CB-1257.
2. All calibration carried out in the Kingdom of Saudi Arabia, US Servtech.



R. Douglas Leonard Jr., VP, PILR SBU

